

WABSTRACT OF THE DISCLOSURE

DPS
A motor drive for a rolling steel door ~~is provided~~ which includes a motor and a speed reducer driven by the motor to take up/let off the rolling steel door. A brake disk is rotated with the motor shaft of the motor, a sprocket wheel is moved along an axle and forced by a spring into engagement with the brake disk to stop the motor shaft of the motor from rotation. An electromagnet is securely mounted on the axle and magnetized to attract the sprocket wheel for enabling the motor shaft of the motor to rotate freely upon starting of the motor. A lever operated by hand disengages the sprocket wheel from the brake disk. A control box is coupled to the power output shaft of the speed reducer to control the operation of the motor, wherein when the control box is controlled to start the motor, the electromagnet is magnetized to attract the sprocket wheel from the brake disk and enables the motor shaft of the motor to be freely rotated. #~